

Abstract

Magnetic heating device includes energy feeding elements, control unit and at least two magnetic field generators, where each magnetic field generator has two free ends. All free ends of the magnetic field generators define a plane and the control unit is adapted to control the feeding elements to apply magnetic field generating energy to the magnetic field generators to generate alternating magnetic fields, wherein a ferromagnetic material positioned in a space defined above the plane is heated. The generated magnetic fields being such that the magnetic field through one of the free ends has an opposed direction as compared to the magnetic fields through the other free ends.